

# **Highlights of Recent Results from the New Health Insurance Modules of the National Immunization Survey**

National Vaccine Advisory Committee

October 22, 2007

Philip J. Smith, PhD

Immunization Services Division

NCIRD/CDC

# 2001-2002 HIM Research topics

The association between having a medical home and vaccination coverage among children eligible for the Vaccines for Children (VFC) program.

- VFC eligible children who have a medical home and use it consistently to receive all vaccine doses can have vx coverage rates that are comparable to non-VFC children.  
(4:3:1:3:3: 75.3% vs 77.7%, adjusted  $p < 0.05$ )

(Smith et al. *Pediatrics* 2005).

# 2001-2002 HIM Research topics

Associations between childhood vaccination coverage, insurance type, and breaks in health insurance coverage. (Smith et al. *Pediatrics* 2006).

	<u>4:3:1:3:3*</u>
1. Privately, only, insured	75.6%(r)
Publicly insured	70.0%**
Uninsured	52.6%**
2. No breaks in health insurance coverage	73.5%(r)
Currently insured, but had breaks	64.8%**
Currently uninsured, but previously insured	53.3%**
Chronically uninsured	47.4%**

Among 19-24 month-old children

(r) = reference category

\*\* significantly different at 0.05 level compared to the reference category

# Insurance and 4:3:1 Coverage at 19 months of Age 2006 NIS

## Insurance Status

Family Income category	Uninsured	Insured
	% (95% CI)	% (95% CI)
≤ 133% FPL	<b>57.8 (±6.9 )</b>	<b>63.7 (±2.1 )*</b>
134% -399% FPL	<b>60.6 (±7.5 )</b>	<b>67.9 (±1.9 )*</b>
≥ 400% FPL	<b>56.7 (±18.3)</b>	<b>75.3 (±2.1 )*</b>

\* = p<0.05

To what extent would the % VFC-eligible children increase if underinsured receiving doses at public facilities were VFC-eligible?

VFC, 4 categories	48.0%
VFC, 5 categories	49.1%

# Estimated MMR Coverage 13-17 Year Old Teens: 2006

	<b>2006 % (95% CI)</b>
<b>VFC eligible</b>	<b>83.4% ±3.3%</b>
<b>On Medicaid</b>	<b>83.0% ±4.0%</b>
<b>Uninsured**</b>	<b>84.2% ±6.9%</b>
<b>AI/AN</b>	<b>79.3% ±11.4%</b>
<b>Underinsured/FQHC</b>	<b>94.1% ±8.7%</b>

\*\* = at the time of the NIS RDD interview